

## Class - I

LEARNING INDICATORS			
TAMIL	ENGLISH	MATHS	SCIENCE
<ul style="list-style-type: none"> <li>Recite Tamil rhymes with correct pronunciation.</li> <li>Identify Tamil Letters</li> <li>Read &amp; Write small words</li> <li>Recognize Tamil months &amp; weekdays</li> <li>Recognize colours</li> <li>Imagine and narrate stories</li> <li>Procure the skill of picture comprehension</li> <li>Write neatly and legibly</li> </ul>	<ul style="list-style-type: none"> <li>Recite English rhymes with correct pronunciation.</li> <li>Recognize Upper and lower case letters</li> <li>Write legibly</li> <li>Picture reading and comprehension</li> <li>Identification of rhyming words</li> <li>Answer 'Wh' questions</li> <li>Aware on the usage of preposition words</li> <li>Attain knowledge to rearrange Jumbled words</li> <li>Attain knowledge of various concepts such as colours, numbers, parts of the body, different types of profession, animals around us, vehicles, shapes, furniture, fruits and vegetables.</li> <li>Knowledge of letter patterns.</li> </ul>	<ul style="list-style-type: none"> <li>Get familiarized with numbers from 1-100</li> <li>Recognizing the place values</li> <li>Double digit addition and subtraction</li> <li>Identifying the number before and after, Missing numbers</li> <li>Writing number names from one to twenty</li> <li>Match number names with pictures</li> <li>Identifying greater and small number</li> <li>Recognizing symbols like addition, subtraction, etc.,</li> <li>Shapes &amp; figures get familiarized with focus orientation. Co-erecting to the concrete things to the shapes &amp; figures.</li> </ul>	<ul style="list-style-type: none"> <li>Students get familiarized with the names of animals, birds, fruits and vegetables</li> <li>Aware of good habits and cleanliness</li> <li><b>Recognizes and identifies</b></li> <li>the parts of the body</li> <li>Animals and their habitats</li> <li>Animals and their young ones</li> <li>Types of leaves</li> <li>Recognize &amp; identify various occupations, Family types.</li> <li>Functions of sense organs able to prepare improvised materials.</li> </ul>

## Class - II

LEARNING INDICATORS			
TAMIL	ENGLISH	MATHS	SCIENCE
<ul style="list-style-type: none"> <li>• Attain picture reading and comprehension skills.</li> <li>• Learn to write words and frame simple Sentences.</li> <li>• Create Pictures using thumb Prints and draw creatively.</li> <li>• Rearrange jumbled words in order</li> <li>• Understand and recite Aathi Choodi</li> <li>• Learn to Speak and respond.</li> <li>• Enrich Reading Skill</li> <li>• Acquire proper Pronunciation.</li> <li>• Procure skills of drawing and Painting, Project work and Picture Collection.</li> </ul>	<ul style="list-style-type: none"> <li>• Listen, recite and perform actions related to rhymes, jingles and songs</li> <li>• Listen and respond to simple questions related to story</li> <li>• Procure skills to reproduce any Environmental sounds related to stories</li> <li>• Listen and respond to instructions and directions</li> <li>• Listen to questions and respond in full sentences</li> <li>• Aware of phonic sounds – alliteration , rhyming words, blending sounds and coining new words</li> <li>• Communicate and respond to messages, questions, request and involve in simple conversation</li> <li>• Acquire the skill of Writing with proper space and alignment of words</li> <li>• Write sentences using combination of grammatical forms</li> <li>• Respond to situations, directions and simple commands.</li> <li>• Respond to yes or no questions.</li> <li>• Listen to questions and respond in full sentences.</li> <li>• Attain knowledge of concepts like common work place, basic emotions, days and months, time concept, action words, counting, greeting and good manners.</li> </ul>	<ul style="list-style-type: none"> <li>• Identify 2-D shapes viz. rectangle, square, triangle, circle by their names</li> <li>• Procure the skill to make patterns and shapes with straight and curved lines</li> <li>• Aware of ordinal and cardinal numbers</li> <li>• Able to subtract 2 digit numbers beginning from concrete representations to abstract</li> <li>• Able to subtract numbers by drawing representation of tens and ones without and with regrouping</li> <li>• Possess the ability to subtract single digit numbers and multiples of ten mentally</li> <li>• Estimate and check the reasonableness of answers to subtraction problems</li> <li>• Understand the need for standard units and a simple balance</li> <li>• Compare weights of given objects using simple balance</li> <li>• Recognizing the place values up to 100</li> </ul>	<ul style="list-style-type: none"> <li>• Recognize the names of cereals. Pulses , greens, millets, vegetables and fruits</li> <li>• Obtain the knowledge on dairy products and preparation –egg, meat of animals</li> <li>• Know about the food eaten by people of different ages</li> <li>• Acquire the concept of health and hygiene – daily good habits, keeping the surroundings clean and the importance toilets and its uses</li> <li>• Develops the concept of environmental preservation</li> <li>• Familiarize with plant parts.</li> <li>• Recognize animals based on the characteristics &amp; food habits.</li> <li>• Become aware of natural &amp; locally available resources.</li> <li>• Recognize Public places &amp; their uses.</li> <li>• Realize basic ideas Work Transport</li> </ul>

### Class - III

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
<ul style="list-style-type: none"> <li>Acquire the ability to answer Puzzles and riddles.</li> <li>Posses the skill to narrate stories that evoke their thoughts.</li> <li>Able to comprehend pictures and text.</li> <li>Involve in activities like discussion, role play and singing .</li> <li>Procure the skill of Speaking with Proper Pronunciation.</li> <li>Able to read and respond to announcements, Advertisements, Road signals and Magazines of Children.</li> <li>Acquire the skill of extensive reading - supplementary readers and newspapers .</li> <li>Develop the ability to frame small sentences with prescribed grammatical forms.</li> </ul>	<ul style="list-style-type: none"> <li>Listen and recite rhymes thematic songs and poems with actions</li> <li>Listen and respond to instructions and questions, stories and incidents and in peer group discussion</li> <li>Attain the ability in Communicating massages, responding to questions, narrating and asking questions</li> <li>Obtain the competency to read and illustrate sentences and passages</li> <li>Develop the ability to read different genres – road signs and maps</li> <li>Enhance in spelling skills like- jumbled letters, sentences, fill ups and dictations</li> <li>Develop the skill of creative writing – writing rhyming sentences, a topic, making list and draw &amp; write</li> <li>Enhance in spelling skills like jumbled letters, sentences and dictations.</li> <li>Develop the skill of coining new words from the root words.</li> <li>Attain confidence in dealing functional</li> </ul>	<ul style="list-style-type: none"> <li>Understand the concept of multiplication as repeated addition by working many patterns</li> <li>Able to understand and use the sign of multiplication</li> <li>Able to construct tables of 2,3,4,5 and 10</li> <li>Understand the concept of division form the context of equal grouping and sharing</li> <li>Able to solve simple division problems involving multiplication and division by grouping and by using multiplication tables</li> <li>Understand graded sequence of multiplication beginning from multiplication of : single digit by single digit , two digit number by single digit</li> <li>Able to measure length of objects in their environment using simple aids</li> <li>Express appropriate standard units of length by choosing between centimeters and meters</li> <li>Understand the numerical relationship between centimeter and meter</li> <li>Recognizing the place value up to 1000</li> </ul>	<ul style="list-style-type: none"> <li>Acquire the knowledge on the sources of food and the ingredients of food eaten</li> <li>Become conscious on the fact of having nutritious meal(balance diet),food groups and nutrients</li> <li>Procure the concepts of Food for good health, Health and exercise and Eye exercise s for better vision</li> <li>Develop in depth knowledge on the Three states of matter</li> <li>Widen their knowledge on the Tools to work (different kinds of tools and their design for use) and Tools used by the various professionals</li> <li>Familiarize about Various plant parts &amp; their functions</li> <li>Various habitats &amp; salient features of insects</li> <li>Modifications of plant parts.</li> <li>Explore the adaptations of animals.</li> </ul>	<ul style="list-style-type: none"> <li>Know about the modes of travel and transport in different areas</li> <li>Learn the value of trips and travel</li> <li>Acquire the knowledge of various types of food available in different seasons, festivals and geographical region</li> <li>Become aware of the method of cultivation of different edibles, our food habits and its linkage to culture and history</li> <li>Understand about Public Services ( community helpers ) and how and know about the services available and who serves</li> <li>Recognize the names of directions students get familiarized with bus surroundings, Districts and State</li> </ul>

	<p>grammar concepts like possessive form, punctuation, singular and plural and the parts of speech.</p> <ul style="list-style-type: none"> <li>• Learn concepts like our country, culture, dance forms, food of various states and dresses of various states.</li> </ul>	<ul style="list-style-type: none"> <li>• 3 digit Addition &amp; subtraction is too added. Comparison.</li> <li>• of numbers among three digit.</li> <li>• Recognizing the special relationships.</li> <li>• Distinguishing the shape that can be .....</li> <li>• Comprising weights of given objectives simple balance.</li> <li>• Comprising capacities of the containers.</li> <li>• Recognizing the monthly calendar</li> <li>• Different things of a year using daily and monthly calendar.</li> </ul> <p><b>Money</b></p> <ul style="list-style-type: none"> <li>• Recognizing the correct denomination of the process of the objects.</li> <li>• Attempts to write part of whole as a number by means of completing the incomplete figures or filling colours.</li> </ul> <p><b>Patterns</b></p> <ul style="list-style-type: none"> <li>• Engages the children in understanding specific patterns of Geometrical shapes pictures numbers in the form of grooming and repeated patterns.</li> </ul> <p><b>Study of data</b></p> <ul style="list-style-type: none"> <li>• Attempts to organize ungrouped data's in the form of tables pictographs of tally marks.</li> </ul>	<ul style="list-style-type: none"> <li>• Enrich their knowledge about forests.</li> <li>• Imbibes the importance of internal organs</li> <li>• Getting ideas about</li> <li>• Air</li> <li>• Water</li> <li>• Sun &amp; water &amp; correlate them to daily life</li> </ul>	
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## Class - IV

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
<ul style="list-style-type: none"> <li>Obtain the competency to read and illustrate sentences and passages</li> <li>Develop the ability to read different genres – road signs and maps</li> <li>Enhance in spelling skills like- jumbled letters, sentences, fill ups and dictations</li> <li>Ask questions, paraphrase and discuss to explore ideas and</li> <li>Understand new concepts</li> <li>Identify areas of personal accomplishment and areas for</li> <li>Enhancement in language learning and use</li> <li>Identify other perspectives by exploring a variety of ideas,</li> <li>Opinions, responses and oral, print and other media texts</li> <li>Acquire skills in personal writing , representing to record and reflect on ideas, information and experiences</li> </ul>	<ul style="list-style-type: none"> <li>Collect and synthesize information from a range of oral source.</li> <li>Identify and analyze different aspects of aural inputs (eg. tones of voice, pitch, pause, stress etc).</li> <li>Read a wide range of materials with a purpose of developing a taste for and a culture of reading (Reports, poetry, stories, fables books, essay, newspapers, magazines, instructions, messages etc).</li> <li>Read to obtain information, develop knowledge for enjoyment.</li> <li>Use speaking as a means of communication and to learn.</li> <li>Speak in order to reflect on experience and values, explore and express thought, feelings, ideas, pleasure and enjoyment.</li> <li>Use language to collaborate and develop relations with peers and other people in Social environment.</li> <li>Inculcate thinking skill in language aspect.</li> <li>Collect and synthesize information from a range of oral source and indeed analyze different aspects of aural inputs (tone of voice, pitch, pause, stress and</li> </ul>	<ul style="list-style-type: none"> <li>Posses the ability to do elementary multiplication of 2 -digit by 2- digit and 3- digit by single digit number</li> <li>Able to write tables up to 10 X10</li> <li>Abled to Divide a given number by another number in various ways</li> <li>Acquire the knowledge to estimate sums, differences and products of simple 2 digit numbers to nearest 10s or 100s</li> <li>Able to measure volumes of given liquid using containers marked with standard units</li> <li>Able to estimate the volume of a liquid contained in a vessel and verifies by measuring</li> <li>Compute and correlate the number of day in a year within the number of days in each month</li> <li>Read clock time to the nearest hours ant minutes</li> <li>Able to express time using the terms 'a.m' and 'p.m'</li> <li>Able to compute the number of days between two given dates</li> <li>Recognizing of drawing Geometrical shapes using locally available materials and them labeling.</li> </ul>	<ul style="list-style-type: none"> <li>Acquire the knowledge on Raw and cooked food, food in illness, utensils used cooking, cooking practices and food hygiene</li> <li>Become aware on the Personal safety- at home, on the road, in school and common places</li> <li>Obtain a thorough knowledge on the Transformation of natural resources in to materials for use – industry and agriculture</li> <li>Understand the Generation of waste Kinds of waste and sources and Recycling</li> <li>Procure knowledge on the concept of Energy and work- relationship between energy, force and movement</li> <li>Internalize the importance of edible parts of the plants</li> <li>Curious to know about the germination of seeds.</li> <li>Wonders about the unique nature of animals (sense organs)</li> <li>Parental care</li> <li>Division of labours among insects</li> <li>Acquire knowledge about</li> </ul>	<ul style="list-style-type: none"> <li>Develop the basic knowledge of India as a nation</li> <li>Able to identify India and sport physical features and political divisions in a map and atlas</li> <li>Recognize National Symbols</li> <li>Able to enumerate the linkage between History and Geography to understand the different life styles of people living in different places</li> <li>Identify and grow familiar with one's rights and duties, both as a citizen and as a child</li> <li>Learn by tracing the life of Scientist s, verify the experiments and develop scientific temperaments</li> <li>Acquire the knowledge in mapping skill. Find out the Colour code in Geography. (yellow – desert, blue – river).</li> </ul>

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
	<p>intonation.</p> <ul style="list-style-type: none"> <li>• Read a wide range of materials and read to obtain information, develop knowledge and involves in data collection while reading.</li> <li>• Develops interest in reading reports, stories, fables, books, essay, newspapers, magazines and messages.</li> <li>• Speak in order to communicate and to express thoughts, feelings and ideas and share experience and various emotions.</li> <li>• Develop relations with peer using their language and communication skill.</li> <li>• Develops / indeed inculcate thinking skills naturally in the learning process.</li> <li>• Attain knowledge in grammatical concepts like degrees of comparison, conjunction, pronouns, tense, homophones, homonym and framing questions.</li> <li>• Involves in language games like anagrams and tongue twisters.</li> <li>• Attain knowledge about concepts like 'go green' and 'helping and greeting others'.</li> </ul>	<ul style="list-style-type: none"> <li>• To create different shapes using tango gram understanding the .... tiling use the Appropriate Geometrical shapes.</li> <li>• Adds &amp; subtracts up to four digit numbers in the forms of grouping &amp; without grouping</li> <li>• Estimating the weight of an object and verifying by standard units of measures.</li> <li>• Recognizing the symmetric figures and their reflections.</li> <li>• Addition and subtraction of like fraction</li> <li>• Recognizing the perimeter of Geometrical figures.</li> <li>• Addition &amp; subtraction in money transaction with reference to daily life situation.</li> <li>• Recognition patterns using numbers in the form of aptitude test.</li> <li>• Forming tables and filing the data from the given statement problems under data handling.</li> </ul>	<p>different types of farming</p> <ul style="list-style-type: none"> <li>• Understand amazing mechanism of human digestive system.</li> <li>• Recognize the vital importance of air oxygen</li> <li>• Water conservation</li> <li>• Gain knowledge about the solar family applies scientific knowledge in day to day life.</li> </ul>	

## Class - V

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
<ul style="list-style-type: none"> <li>Read to obtain information, develops knowledge for enjoyment.</li> <li>Use language to collaborate and develop relations with peers and other people in Social environment</li> <li>Extend sight vocabulary to include words frequently used in Other subject areas</li> <li>Integrate knowledge of phonics and sight vocabulary with Knowledge of language and context clues to read unfamiliar Words in context</li> <li>Identify the main events in oral, print and other media texts;</li> <li>Explain their causes, and describe how they influence Subsequent events</li> <li>Identify and explain connections among events, setting and Main characters in oral, print and other media texts</li> </ul>	<ul style="list-style-type: none"> <li>Observe the information for the explicit purpose of deriving pleasure</li> <li>Contribute appropriately to conversation.</li> <li>Respond to reading critically. Examine how information, experience and ideas are presented.</li> <li>Pronounce the text with proper stress, intonation and pause (Focus on Supra segmental features).</li> <li>Skim and scan important message from the given text.</li> <li>Participation collaborative problem solving and group discussion.</li> <li>Use appropriate body language, vocabulary and tone of voice.</li> <li>Engage in activities which includes. Dramatic play, Story – telling, Poetry reading, Group discussion, Debate, News – telling, Class meeting, Singing</li> <li>Skim and scan important messages.</li> <li>Attain skills in problem solving and group discussion.</li> <li>Contribute appropriately</li> </ul>	<ul style="list-style-type: none"> <li>Procure knowledge on the use of the Symbols <math>&gt;</math> and <math>&lt;</math>.</li> <li>Solving life oriented problems (Relevant to the topic)</li> <li>Division of 5 digit number by a 1-digit number.</li> <li>Reading and Writing fractions</li> <li>Writing the equivalent fraction of a fraction given the denominator or the numerator.</li> <li>Addition and Subtraction of proper fractions without using Calculators.</li> <li>Obtain knowledge on Kilometer and Metres, Metres and centimeters, Kilograms and grams and Litres and Millilitres</li> <li>Measurement of time in seconds, minutes and hours.</li> <li>Solving word problems involving time in 12 hour clock.</li> <li>Drawing of 3-D object from 2-D shapes.</li> <li>Addition subtractions of numbers up to five digits.</li> <li>Recognizing the standard division of Algorithms.</li> <li>Distinguishing the multiples</li> </ul>	<ul style="list-style-type: none"> <li>Acquire the knowledge on the Preservation and Spoilage of food and kitchen safety</li> <li>Become conscious on the Spread and Prevention of diseases, avoiding the use of public places for toilet purposes and knowing the nearest health centre</li> <li>Know about the properties of materials and different kinds of houses – variation with climate</li> <li>Procure in detail the concepts of Renewable sources of energy, Non-renewable sources of energy, Uses and application of energy and about conserving energy</li> <li>Acquire knowledge about</li> <li>Pollination</li> <li>Seed dispersal</li> <li>Become aware of natural / Artificial habitat (sanctuary) of animals</li> <li>Enrich their knowledge about the life cycle of insects</li> <li>Admire the amazing function of brain &amp; sense organs.</li> </ul>	<ul style="list-style-type: none"> <li>Learn about the different types of forest found in India, the various kinds of trees found in them, their uses and conservation and a forestation</li> <li>Know about the different minerals found in India, the regions they are found in and the uses of minerals and their conservation</li> <li>Learn briefly about Space Research and India's place in Space Research</li> <li>Know about the achievements of Kalpana Chawla and Sunitha Williams</li> <li>Become aware of the formation of Government and the different functions of Parliament and Legislature – judiciary</li> </ul>

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
<ul style="list-style-type: none"> <li>Produce oral, print and other media texts that follow a logical Sequence, and demonstrate clear relationships between Character and plot</li> </ul>	<p>conversation and uses appropriate body language, vocabulary and tone of voice.</p> <ul style="list-style-type: none"> <li>Examine how information, experience and ideas are presented.</li> <li>Engage in activities like, Dramatic like Story telling Poetry reading Group discussion Debate News telling Clears meeting and Singing</li> <li>Attain knowledge in concepts like Exposed to Letter Writing</li> <li>Saving our Earth and Environment Good human Values ideas about kinship.</li> <li>Healthy habits Patriotic feelings Spirit of discovery, imagination and creativity</li> <li>Attain knowledge in Grammatical Concepts like Noun Proper, Common Gender Collection Nouns Preposition Interjection</li> <li>Develops Application Skills such as Hints Development Filling up forms Completing the Stories .....etc</li> </ul>	<p>&amp; factors</p> <ul style="list-style-type: none"> <li>Recognizing the fractions using the number line &amp; fractions disc.</li> <li>Addition and multiplication of fraction.</li> <li>Recognize the concepts of decimals.</li> <li>Recognizing the type of angles in the daily life.</li> <li>Conversion of units in the metric measures length weight volume.</li> <li>Creativity of numbers in geometrical figures in patterns.</li> <li>Skill of developing a table by means of grouping the data &amp; representing by pictograph.</li> </ul>	<ul style="list-style-type: none"> <li>Become aware of various uses of plants.</li> <li>Reveals the scientific facts about properties of air, uses of air pressure, water cycle &amp; different status of water.</li> <li>Have strong desire to explore more facts about astronomy.</li> <li>Get induced to acquire scientific knowledge through scientific inventions &amp; History of Scientists.</li> </ul>	



## Class - VI

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
<ul style="list-style-type: none"> <li>Participating in collaborative problem solving and group discussion.</li> <li>Use appropriate body language, vocabulary and tone of voice.</li> <li>Engage in activities which includes. Dramatic play, Story – telling, Poetry reading, Group discussion, Debate, News – telling, Class meeting, Singing, Elocution</li> <li>Write to communicate ideas and information to share views, thoughts, feelings and experiences.</li> <li>Use organizational patterns of expository texts to understand Ideas and information</li> <li>Ask relevant questions, and respond to questions related to Particular topics</li> <li>Identify information sources that inform, persuade or entertain, And use such sources appropriately</li> <li>Make notes of key words, phrases and images by subtopics;</li> </ul>	<ul style="list-style-type: none"> <li>Communicate and respond to messages, questions, request and involve in simple conversation</li> <li>Write sentences using combination of grammatical forms</li> <li>Respond to reading critically. Examine how information, experience and ideas are presented.</li> <li>Skim and scan important message from the given text.</li> <li>Participation collaborative problem solving and group discussion.</li> <li>Use appropriate body language, vocabulary and tone of voice.</li> <li>Engage in activities which includes. Dramatic play, Story – telling, Poetry reading, Group discussion, Debate, News – telling, Class meeting, Singing</li> <li>Writing brief reports that examine a topic, have a clear focus, and include relevant facts, details, and quotations</li> <li>Gain knowledge from materials that make extensive use of elaborate diagrams and data to</li> </ul>	<ul style="list-style-type: none"> <li>Analyzing and solving problems using concepts of ratio and rate.</li> <li>Working with variables and expressions.</li> <li>Analyzing and solving word problems using equations.</li> <li>Understanding ratios and rates, and solving problems involving proportional relationships (e.g., if it took 7 hours to mow 4 lawns, then at that rate, how many lawns could be mowed in 35 hours? At what rate were lawns being mowed?).</li> <li>Dividing fractions and solving related word problems (e.g., how wide is a rectangular strip of land with length <math>\frac{3}{4}</math> mile and area <math>\frac{1}{2}</math> square mile?).</li> <li>Using positive and negative numbers together to describe quantities; understanding the ordering and absolute values of positive and negative numbers.</li> <li>Working with variables and expressions by generalizing the way numbers work (e.g., when adding numbers, the order doesn't matter, so <math>x + y = y + x</math>; likewise, properties of addition and multiplication</li> </ul>	<ul style="list-style-type: none"> <li>Acquire the skill to describe the steps in an experiment</li> <li>Obtain knowledge on basic structure and functions of the human respiratory and digestive system</li> <li>Able to explain how the different body systems are inter connected</li> <li>Demonstrate mechanical advantage of simple and compound machines</li> <li>Demonstrate how various forces can affect the movement of objects</li> <li>Able to describe a variety of impacts on using the living and non- living resources</li> <li>Able to identify medicinal plants &amp; their uses</li> <li>Acquires knowledge about fibre yielding plants.</li> <li>Become aware of Vitamins / Minerals &amp; their deficiency diseases</li> <li>Obtain knowledge on mode of nutrition in plants &amp; Animals.</li> <li>Able to distinguish changes around us</li> <li>Apply the knowledge of measurement in daily life.</li> <li>Understand Various types</li> </ul>	<ul style="list-style-type: none"> <li>Improve their geography skills,</li> <li>demonstrate an understanding of the patterns of human movement and how people relate to different places in their environment.</li> <li>Procure knowledge of significant historical events, developments and their relationship to the present.</li> <li>Understand the rights and responsibilities of citizens in a democratic society including the basic institutions and processes of lawmaking, enforcement, and interpretation.</li> <li>Inculcate an understanding of such social studies concepts, including geography, history, government, and economics.</li> <li>Develop an understanding of the democratic</li> </ul>

LEARNING INDICATORS				
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Cite titles and authors of sources alphabetically	<p>Convey information and illustrate concepts.</p> <ul style="list-style-type: none"> <li>Participation in problem solving by engaging in activities like anagrams, palindrome, spoonerism, homophones, homonyms, word chain, re-arranging jumbled letters and words etc.</li> <li>Descriptive potential like role play, enacting, imaginative journey, journal writing, preparing brochures, advertisements, extempore etc.</li> <li>Ability to classify words as nouns, verbs, adverbs, adjectives, conjunctions etc.</li> <li>Can flawlessly recite a poem with actions and face expressions.</li> </ul>	<p>can be used to rewrite <math>24x + 18y</math> as</p> <ul style="list-style-type: none"> <li><math>6(4x + 3y)</math>, or <math>y + y + y</math> as <math>3y</math>.</li> <li>Understanding the process of solving simple equations.</li> <li>Writing equations to solve word problems and describe relationships between quantities (e.g., the distance <math>D</math> traveled by a train in time <math>T</math> might be expressed by an equation <math>D = 85T</math>, where <math>D</math> is in miles and <math>T</math> is in hours).</li> <li>Reasoning about relationships between shapes to determine area, surface area, and volume.</li> <li>Recognizing the largest numbers by in place value.</li> <li>Divisibility rules to find factors uses of a number.</li> <li>Recognizing GCD by means of division and prime factorizing method.</li> <li>Identifying the situation for the concept of fraction and addition subtraction among like and unlike fractions.</li> <li>Conversion of fractions in to decimals &amp; vice versa.</li> <li>Addition &amp; subtraction fraction in decimals.</li> <li>Connecting examples children extinguishers the concept of Ratio &amp; proportion from their daily life situation.</li> </ul>	<p>of motion</p> <ul style="list-style-type: none"> <li>Experience the properties of magnets through simple experiments.</li> <li>Acquire information about the cell &amp; cell Constituents.</li> <li>Realize the values of separating mixtures in many ways / utilize them in daily – life.</li> <li>Evolve a Common Solution about energy types &amp; its uses.</li> <li>Obtain knowledge about bacteria, Virus, Fungi based on structure &amp; their diseases caused by them.</li> <li>Able to classify plants based on cotyledon root-system.</li> <li>Understand the plant Kingdom Classification.</li> <li>Differentiate animals based on vertebral column wonders about the amazing facts of king Cobra, Whales, Crocodile, chameleon.</li> <li>Differentiate the types of waste</li> <li>Acquire knowledge about waste disposal</li> <li>Able to correlate the information about Cement/ Concrete/RCC in the construction of buildings &amp; dams.</li> </ul>	<p>process and how it relates to our society today.</p>

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
		<ul style="list-style-type: none"> <li>• Able to find the duration between two time distances.</li> <li>• Conversion of one unit of time in to the other.</li> <li>• Expressing the skill of drawing various types of angles using the Geometrical Aids.</li> <li>• Recognizing the perimeter and area of various shapes by means of their formula.</li> <li>• Recognizing the ..... gives from the daily activities and constructing them using the instruments from Geometrical box.</li> <li>• Formulating the patterns identified by the child and tries to suggest a symbol for a general term of a pattern.</li> </ul> <p><b>Integers.</b></p> <ul style="list-style-type: none"> <li>• Recognition of sign of numbers in the daily life situation like money transaction debit &amp; credit system.</li> </ul>	<ul style="list-style-type: none"> <li>• Acquire knowledge in Preparation &amp; Properties of glass &amp; soap</li> <li>• Classify fibers based on its applications.</li> <li>• Able to apply the concepts of light like sources, path of light, shadows, types of mirrors &amp; reflection in the daily life.</li> <li>• Explains solar &amp; lunas eclipse.</li> </ul>	

## Class - VII

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
<ul style="list-style-type: none"> <li>• Use of vocabulary in real life situation in an appropriate manner.</li> <li>• Advocating the rules of grammar to express ideas.</li> <li>• Regular practice of grammar for mastery over basic language aspects.</li> <li>• Reciprocate error free writing by practicing fundamental rules.</li> <li>• Promoting creativity and novelty.</li> <li>• Understanding the central theme of the lesson.</li> <li>• Reproduce the gist of the lesson.</li> <li>• Application of moral values in day to day life.</li> <li>• Association of central Theme in real life situations.</li> <li>• Enhance the clarity and artistry of communication</li> <li>• Revise to ensure an understandable progression of ideas and information</li> <li>• Write legibly, using a style that demonstrates awareness of Alignment, shape and</li> </ul>	<ul style="list-style-type: none"> <li>• Analyzing how chapters of a book, scenes of a play, or stanzas of a poem fit into the overall</li> <li>• Structure of the piece and contribute to the development of ideas or themes.</li> <li>• Gaining knowledge from materials that make extensive use of elaborate diagrams and data to</li> <li>• Convey information and illustrate concepts.</li> <li>• Evaluating the argument and specific claims in written materials or a speech, and distinguishing claims that are supported by reasons and evidence from claims that are not.</li> <li>• Presenting claims and findings to others orally, sequencing ideas logically, and accentuating main ideas or themes.</li> <li>• Writing arguments that provide clear reasons and relevant evidence, using credible sources.</li> <li>• Writing brief reports that examine a topic, have a clear focus, and include relevant facts, details, and quotations</li> <li>• Conducting short research</li> </ul>	<ul style="list-style-type: none"> <li>• Develop a belief in the value of mathematics and its usefulness to them</li> <li>• Nurture confidence in their own mathematical ability</li> <li>• Foster a sense of personal achievement and to encourage a continuing and creative interest in mathematics</li> <li>• Develop skills, concepts, understandings, and attitudes which will enable them to cope confidently with the mathematics of everyday life</li> <li>• Develop flexibility and creativity in applying mathematical ideas and techniques to unfamiliar problems arising in everyday life</li> <li>• Become effective participants in problem-solving teams, learning to express ideas, and to listen and respond to the ideas of others</li> <li>• Develop the skills of presentation and critical appraisal of a mathematical argument or calculation, use mathematics to explore and conjecture, and learn from mistakes as well as successes</li> </ul>	<ul style="list-style-type: none"> <li>• Observing, determining the properties of an object or event by using the senses.</li> <li>• Classifying, Grouping objects or events according to their properties.</li> <li>• Measuring/Using Numbers - Skills include:</li> <li>• Describing quantitatively using appropriate units of measurement</li> <li>• Estimating</li> <li>• Recording quantitative data</li> <li>• Space or time relationships</li> <li>• Communicating, Using written and spoken words, graphs, tables, diagrams, and other information presentations, including those that are technology based.</li> <li>• Inferring, Drawing a conclusion about a specific event based on observations and data; may include cause and effect relationships.</li> <li>• Predicting, Anticipating consequences of a new or changed situation using past experiences and</li> </ul>	<ul style="list-style-type: none"> <li>• Possess the ability to discuss broad historical trends.</li> <li>• Illustrates the kinds of sources that historians use for studying the period. E.g., buildings, chronicles, paintings, coins, inscriptions, documents, music, literature.</li> <li>• Trace the patterns of political developments and military conquests</li> <li>• Develop an understanding of the connections between political and economic processes through the exploration of one specific example.</li> <li>• Illustrate how inscriptions are used to reconstruct history</li> <li>• Outline the development of political institutions, and relationships</li> </ul>

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
<p>slant</p> <ul style="list-style-type: none"> <li>Communicate ideas and information in a variety of oral, print And other media texts, such as short reports, talks and posters</li> <li>Identify strengths and areas for improvement in research Process</li> </ul>	<p>projects to answer a question, drawing on several sources and sharpening the focus based on the research findings.</p> <ul style="list-style-type: none"> <li>Reviewing and paraphrasing key ideas and multiple perspectives of a speaker.</li> <li>Recognizing variations from standard English in his or her own and others' writing and speaking, and using this knowledge to improve language use.</li> <li>Determining the correct meaning of a word based on the context in which it is used (e.g., the rest of the sentence or paragraph; a word's position or function in a sentence).</li> <li>Spotting errors (grammatical errors) in simple sentences.</li> <li>Semantic mapping to locate places, directions, origin and events.</li> <li>Preparing reports, notes, minutes, abstracts, summary and tables.</li> <li>Ability to fill up money order forms, bank challans, and reservation forms etc.</li> <li>Ability to read newspaper and magazines and get in touch with socio</li> </ul>	<ul style="list-style-type: none"> <li>Develop accuracy, efficiency, and confidence in calculating-mentally, on paper, and with a calculator</li> <li>Develop confidence and competence in using instruments and measuring</li> <li>a knowledge of geometrical objects and relations in two and three dimensions, and recognize and appreciate their occurrence in the environment;</li> <li>develop spatial awareness and the ability to recognize and make use of the geometrical properties and symmetries of objects in everyday use;</li> <li>Recognizing four properties of integer's closer commutation associative Distribution over Addition &amp; Multiplication.</li> <li>Recognizing the four basic operations on rational numbers.</li> <li>Representing a rational number as decimal fraction &amp; forms rules for operation or it.</li> <li>Using exponential forms and the rules to solve problems. Related to repeated multiplications.</li> <li>Addition and subtractions on algebraic expressions involving one or two</li> </ul>	<p>observation.</p> <ul style="list-style-type: none"> <li>Collecting, Recording, and Interpreting Data, Manipulating data, either collected by self or by others</li> <li>Defining Operationally, Defining terms within the context of one's own experiences; stating a definition in terms of "what you do" and "what you observe".</li> <li>Making Hypotheses, Proposing an explanation based on observations.</li> <li>Making and Using Models, Representing the "real world" using a physical or mental model in order to understand the larger process or phenomenon.</li> <li>Obtain knowledge about the mode of nutrition</li> <li>Gain knowledge and make use of it in daily life</li> <li>Animal products / uses</li> <li>Animal case &amp; protection</li> <li>Dental care</li> <li>Status of matter, properties of matter &amp; impact of temperature on maths</li> <li>Measurement of volume, area, density, length mass time oscillation &amp; astronomical distance</li> </ul>	<p>amongst rulers.</p> <ul style="list-style-type: none"> <li>Understand strategies of military control and</li> <li>resource mobilisation</li> <li>Understand the impact of an imperial</li> <li>administration at the local and regional levels</li> </ul> <p>Students obtain knowledge on the child and women rights.</p>

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
	<p>environment.</p> <ul style="list-style-type: none"> <li>• Ability to listen to news and headlines in BBC, CNN, etc.</li> <li>• Understanding the main idea of passage.</li> <li>• Ability to take in success and failure in the same stride.</li> <li>• Develops tolerance with his classmates, in a multi-linguistic and religious country.</li> <li>• Develop confidence and tolerance against failures.</li> <li>• Acquire debating skills with gestures and apt face expressions.</li> <li>• Learns to write personal and formal letters.</li> </ul>	<p>variables.</p> <ul style="list-style-type: none"> <li>• Expressing situation in simple linear equation and solves them.</li> <li>• Describing ratios as percentage and forms formulae for profit / loss and simple interest and simple interest using unitary method.</li> <li>• Ability to differentiate direct variation &amp; Indirect variation and calculating the needed quantity using them.</li> <li>• Recognizing the perimeter of Area and plane figures made up of circles, triangles &amp; quadrilateral.</li> <li>• Identifies pairs of angles like supplementary, complimentary adjacent and vertically opposite and finding the other one (when the other is given)</li> <li>• Understanding the concepts of symmetry and its types.(Rotational)</li> <li>• Properties of parallel lines cut by a transversal.</li> <li>• Construction of angles using Scale and Composer.</li> <li>• Ability to collect and organizing a continuous data and skill of interpreting by bar graphs.</li> <li>• Recognizing the formation of frequency tables.</li> </ul>	<ul style="list-style-type: none"> <li>• Enriched knowledge about sericulture, Apiculture &amp; Poultry farming.</li> <li>• Realize the mechanism of digestive system in man.</li> <li>• Differentiate plants based on requirement of water.</li> <li>• Familiarize about plant parts, their functions uses, modifications &amp; trophism.</li> <li>• Realize the significance of classification using Whitaker classification system.</li> <li>• Exposed to binomial nomenclature.</li> <li>• Acquire knowledge about velocity, speed, acceleration, distance &amp; gliding.</li> <li>• Obtain diversified knowledge about organ system</li> <li>• Aware of food preservation methods &amp; fast food ill effects and importance of yoga, meditation &amp; exercise.</li> <li>• Able to correlate chemistry to daily life</li> <li>• Physical / chemical changes</li> <li>• Acids, bases &amp; salts</li> <li>• Electric circuit, switch, electric bell, electro magnet, conductors &amp;</li> </ul>	

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
			<p>insulators.</p> <ul style="list-style-type: none"> <li>• Gains knowledge in eco-system, food chain, bio-sphere, types of forest, plant &amp; animal types of forest, plant &amp; animal types.</li> <li>• Aware of rain-water harvest, increasing ground-water level, process of drinking water from sea-water.</li> <li>• Imbibes knowledge about fuel, combustion types &amp; fire extinguishers, sources of heat, measuring heat – thermometer.</li> <li>• Able to identify convex &amp; concave lens.</li> </ul>	

## Class - VIII

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
<ul style="list-style-type: none"> <li>Gain knowledge from materials that make extensive use of elaborate diagrams and data to Convey information and illustrate concepts.</li> <li>Write legibly, using a style that demonstrates awareness of Alignment, shape and slant</li> <li>Identify past, present and future action</li> <li>Identify and apply common spelling generalizations in own writing</li> <li>Present to peers ideas and information on a topic of interest, in a well-organized form</li> <li>Add interest to presentations through the use of props, such as pictures, overheads and artifacts</li> <li>Give constructive feedback, ask relevant questions, and express related opinions in response to oral and visual presentations</li> </ul>	<ul style="list-style-type: none"> <li>Learn to frame antonyms with the prefixes.</li> <li>Acquire skill in syllabification and classify their kind.</li> <li>Able to share ideas relevant to class activities and discussion (eg.in pairs or small groups, brainstorming and literature circles )</li> <li>Posses a skill to speak and listen to respond to others needs, feelings and reactions, taking into account verbal and non-verbal cues(tone, inflection, body language and facial expression</li> <li>Present and discuss in their own words information that is generally accurate and relevant, states a clear topic , follows a organizational structure, includes specific detail and provides a conclusion</li> <li>Understand and respond to literary and creative works</li> <li>Ask and answer critical questions about a text</li> <li>Acquire skills of speaking and listening to improve and extend thinking by,</li> </ul>	<ul style="list-style-type: none"> <li>Develop the skills, concepts, understandings, and attitudes which will enable to cope confidently with the mathematics of everyday life</li> <li>Develop a variety of approaches in solving problems involving mathematics</li> <li>Develop the ability to think and reason logically</li> <li>Achieve the mathematical and statistical literacy needed in a society which is technologically oriented and information rich;</li> <li>Develop the characteristics of logical and systematic thinking, and apply these in mathematical and other contexts, including other subjects of the curriculum;</li> <li>Become confident and competent users of information technology in mathematical contexts</li> <li>develop the skills and confidence to use their own language, and the language of mathematics,</li> <li>Express mathematical ideas;</li> <li>develop the knowledge and skills to interpret written presentations of mathematics</li> </ul>	<ul style="list-style-type: none"> <li>Posses the skill to perform experiments using scientific method.</li> <li>Acquire the skill to explain how various processes could be modeled –diagrams or demonstration of energy transfer and wave action</li> <li>Demonstrate 7knowledge of the characteristics of living things – require energy, respond to the environment, gas exchange, reproduce etc</li> <li>Relate characteristics of living things to viruses, bacteria, plants and animals</li> <li>Summarize cell theory – recognize that all living things are composed of cells, and all cells come from pre- existing cells</li> <li>Accurately list similarities and differences between cell types(plants and animals)</li> <li>Students have clear idea about adolescent changes.</li> <li>Become aware of personal hygiene</li> </ul>	<ul style="list-style-type: none"> <li>Posses the skill in using maps and timelines to locate interpret and represent physical, political and economic features of our country</li> <li>Acquire knowledge n the significance of key events and factors in the development of the nation</li> <li>Able to describe the different levels of government, summarize the responsibilities of government and identify the governance structures</li> <li>Analyse the relationship the economic development of communities and the available resources</li> <li>Describe the impact of technological innovation and science on political, social and</li> </ul>



LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
<ul style="list-style-type: none"> <li>Identify and discuss main characters, plots, settings and illustrations in oral, print and other media texts from diverse cultures and communities</li> <li>Identify and discuss differences in language use in a variety of school and community contexts</li> <li>Use brainstorming, summarizing and reporting to organize and carry out group projects</li> </ul>	<p>questioning and speculating, acquiring new ideas, analyzing and evaluating ideas considering alternative view points and problem solving</p> <ul style="list-style-type: none"> <li>Create a variety of writing-journals, personal letters , descriptive pieces , reports, procedures, poems and passages</li> <li>Can draw moral values and ethics from epics, parable, folk-lore, myths, facts, fables and religious books.</li> <li>Eliciting ideas from the given diagrams and pictures.</li> <li>To arrive different solutions for one problem.</li> <li>Skimming and scanning focused to find out the relevant information.</li> <li>Building meaningful dialogues, sentences and substantiating his or her view points.</li> <li>Increases vocabulary by using appreciation words using adjectives and adverbs.</li> <li>Improvises confidence by presenting good and appropriate body language.</li> <li>Ability to classify noun, verbs, adverbs, adjectives</li> </ul>	<ul style="list-style-type: none"> <li>develop confidence and competence in using instruments and measuring devices; predict and calculate the effects of changes in variables and rate of change of variables on systems representing simple mathematical models.</li> <li>performing operations on rational numbers and describing their properties of in with reference to the basic operation.</li> <li>Ability in finding square, squareroot, cube, cuberoot of a number(s)</li> <li>Understanding the laws of exponents with integral powers.</li> <li>Ability to Approximate numbers up to three digits.</li> <li>Ability to calculate using short cut methods in four operations.</li> <li>Ability in using four basic operations among the algebraic expressions.</li> <li>Recognizing the factorization of algebraic expressions using identities.</li> <li>Ability of converting a simple contextual situation in to appropriate linear equations and solving them in different methods.</li> <li>Recognizing the perimeter</li> </ul>	<ul style="list-style-type: none"> <li>Correlate the knowledge gained in endocrine gland with their daily life.</li> <li>Recognize the importance of reproductive health.</li> <li>Understand about the sex determination and its role.</li> <li>Have curiosity to know about various classification of [Fungi, algae, pteridophyte, pncraioyate gymnosperm, and angiosperm]</li> <li>Gain knowledge about the anatomy of root, stem and leaf.</li> <li>Recognize the uses of microorganism in daily life.</li> <li>Gain more information about plant and animal through classification.</li> <li>Acquire information about the cell and cell organelles.</li> <li>Acquire the knowledge which are beneficial to lead economically healthy life such as</li> <li>Crop production</li> <li>Method of irrigation</li> <li>Genetic engineering</li> <li>Familiarize with the beneficial and harmful</li> </ul>	<p>economic structures</p> <ul style="list-style-type: none"> <li>Procure knowledge on the impact of contact, conflict and conquest on civilization</li> <li>Explain the development and importance of government system</li> <li>Able to understand the traffic signals, Take interest in obey and follow the traffic rules and avoid road accidents.</li> <li>Explain the different kinds of savings systems and investment schemes both Government and Private sectors.</li> </ul>

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
	etc. <ul style="list-style-type: none"> <li>Gains thorough knowledge of figures of speech.</li> </ul>	area of plain figures by which calculating the same of combined figures. <ul style="list-style-type: none"> <li>Recognizing the properties of triangles and understanding the concurrent of triangle.</li> <li>Ability of solving problems related to profit / loss, discount and tax contextual situation.</li> <li>Differentiating problems related to simple compound interest and attempts to solve the problem.</li> <li>Identifying the type of variations in two quantities on the basis of pattern in given problems.</li> <li>Recognizing the points of concurrency in triangle and Pythagoras theorem.</li> <li>Understanding the basic concepts of circles (secant, tangent, chord....)</li> <li>Ability in constructing (quadrilateral and its types) concentric circles.</li> <li>Skill of drawing Histogram, frequency polygon with reference to the frequency table to be formed.</li> <li>Skill of representing a data by means of pie chart.</li> <li>To understand the measures of central tendency and measuring the same for the given data</li> </ul>	effect of micro organism in daily life and its genetic engineering. <ul style="list-style-type: none"> <li>Understand about the periodic table of element.</li> <li>Distinguish the various measurement scale used to measure temperature</li> <li>Have a concrete idea about the cell, cell organelles, and organ system.</li> <li>Realise the importance of conserving plants and animals.</li> <li>Recognize why pollution free atmosphere is essential to lead healthy life.</li> <li>Gain more knowledge about</li> <li>Migration of birds</li> <li>Sanctuaries</li> <li>Able to understand the natural sources of coal and petroleum with their properties</li> <li>Recognize the every day effect of refraction and reflection.</li> <li>Distinguish the nature of audible and inaudible sounds.</li> <li>Acquire the skill to perform experiments using scientific method.</li> <li>Relate the learnt</li> </ul>	

LEARNING INDICATORS				
TAMIL	ENGLISH	MATHS	SCIENCE	SOCIAL SCIENCE
		(mean mode) <ul style="list-style-type: none"> <li>Recognizing the concept of Cartesian plane with the Axes (graphs) and ability to plot points for different kinds of situations. (Perimeter Vs for Square, Distance Vs Time)etc.,</li> </ul>	concept of force and pressure in daily life. <ul style="list-style-type: none"> <li>Have a compare and contrast the characters of animals based on their skeletal and muscular system.</li> <li>Become aware of all kinds of pollution and their impact in environment.</li> <li>Gain knowledge about the basic principle of atomic structure.</li> <li>Familiarize about flow of current induction of charges through simple activities.</li> <li>Realise the influence of heat in three states of matter.</li> <li>Recognize the transformation of heat.</li> </ul>	